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In the claims:

1. (Currently amended) A method for sending a message from a first computer system C1 that belongs to an internal network, which is protected by a firewall to at least one other computer system C2 through the firewall comprising:
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- a) sending from the first computer system to the firewall, a request with data for a new connection to be opened between the first computer system C1 and at least one other computer system C2 for a message to be sent between said computer systems C1, C2,
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- b) the firewall controls the data for the new connection via which the message is intended to be sent and, up on approval of the connection by the firewall, sending from the firewall to the first computer system C1, transformation information about the necessary modifications to be made in a message that is sent via the requested connection through the firewall, so that the message can pass through, the necessary modifications including IP, protocol, TCP and/or port data,
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- c) ~~modifying, by~~ the first computer system C1, receiving the transformation information from the fire wall and applying the transformation information to the message to modify the
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message to be sent in accordance with the information sent from the firewall,

d) optionally, and before or after step c), sending from the first computer system C1 to the firewall identification data of the connection for the message to be sent between said computer systems C1, C2 so that the connection for the message can be identified by the firewall and the message can pass the firewall,

e) the firewall receiving the identification data related to the connection for the message, and

e) sending the message from the first computer system C1 to the at least one other computer system C2 through the firewall, the firewall associating the identification data with the connection for the message and letting the message through the firewall as long as the firewall associates the identification data with the connection for the message.

2. (Previously amended) The method according to claim 1 wherein the message to be sent between said computer systems C1, C2 is protected in step c) after it has been modified, whereby step d) is necessary and the data to be sent from the first computer system C1 to the firewall includes the necessary information so that the connection for the message can be identified by the firewall.

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3. (Previously amended) The method according to claim
2 wherein the protection is made using the IP Sec system.

5 4. (Previously amended) The method according to claim
2 wherein the message to be sent is authenticated.

5. (Previously amended) The method according to claim
2 wherein the message to be sent is encrypted in step c).

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6. (Previously amended) The method according to claim
1 wherein the information message in point a) contains data of
the new connection to be opened between the first computer system
C1 and at least one other computer system C2 in form of address
15 identification data and possible other parameters.

7. (Previously amended) The method according to claim
6 wherein the possible other parameters are data about the port
and the protocol used for sending.

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8. (Previously amended) The method according to claim
1 wherein in step b) the modifications include address
identification data and/or the port and or the protocol used for
sending.

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9. (Previously amended) The method according to claim
1 wherein the message is using the TCP/IP protocol.

5 10. (Previously amended) The method according to claim
1 wherein the message is sent via internet.